IP Link® Device Interface
Ethernet Communication Sheet

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type:	Audio Processor
Manufacturer:	ClearOne
Firmware Version:	1.1.5
Model(s):	Converge Pro SR1212

Minimum Software and Firmware Requirements:

IP Link Compiler	IP Link Firmware	GC Version
1.4.0	1.15	3.0.3

Version History:

Driver Version	Date	Notes
3	10/4/2010	Extron Certified version. Tested on Converge Pro SR1212. Updated logic to support status when daisy chained.
2	7/07/2010	Extron Certified version. Tested on Converge Pro SR1212. Added Master Mute command. Updated the status polling for faster responses.
1	2/19/2010	Initial Extron Certified version. Tested on Converge Pro SR1212

Driver Notes:

Driver must also first be set in the GV webpage with Device Select matching device and Device ID matching ID set on device for driver to function correctly. Please refer to device manual for Device ID setup.

Control Commands & States:

Destination Channel	1 – 12		
Destination Group	B	H	J
	O	P	E
	F	T	
Device ID	0 – 7		
Fader 1 - 4 Level	-65 to 20 in steps of 1		
Input Level	-65 to 20 in steps of 1		
Input Select	1 – 12		
Macro	1 – 255		
Master Mute	On	Off	
Mic 1 - 8 (Step)	Up	Down	
Mic 1 - 8 Mute	On	Off	
Mute Fader 1 - 4	On	Off	
Mute Input	On	Off	
Mute Output 1 - 12	On	Off	
Mute Process A - H	On	Off	
Output 1 – 12 Level	-65 to 20 in steps of 1		
Preset	1 – 32		
Process A – H Level	-65 to 20 in steps of 1		
Source Channel	1 – 12		
Source Group	I	M	P
	E	L	F
	R		
Take	On[1]	Off	Toggle[1]
	Non-Gated[2]	Gated[2]	Pre-AEC[2]

[1] Not valid for Mic sources
[2] Only valid for Mic sources.

Status Available:

Connection Status	Connected	Disconnected
Fader 1 - 4 Level	-65 to 20 in steps of 1	
Input Level*	-65 to 20 in steps of 1	
Master Mute	On	Off
Mic 1 - 8 Mute	On	Off
Mute Fader 1 - 4	On	Off
Mute Output 1 - 12	On	Off
Mute Process A - H	On	Off
Output 1 - 12 Level	-65 to 20 in steps of 1	
Process A - H Level	-65 to 20 in steps of 1	

*Input Level and Mute Input are dependent on Input Select setting.

Instructions for using Matrix portion:
To tie an Input to an Output:

1. Select a Source Channel from (1-12).
2. Select a Source Group (I,M,P,E,L,F,R)
3. Select a Destination Channel (1-12).
4. Select a Destination Group (H,J,O,P,E,F,T,B)
5. Select one of the Take commands (On, Off, Toggle, Non-gated, Gated, Pre-AEC)

If using with a TLP product it is necessary to map the commands mentioned above sequentially to a button.

For further information consult the user's manual under Matrix routing.

Network communication:
When configuring the Ethernet driver, be sure device settings match that of the GC configuration.

Port Type:	Ethernet
Logon Credentials Supported:	Yes
Default User Name:	clearone
Default Password:	converge
Default Port:	23
Multi-Connection Capable:	Yes
Port Changeable:	No

Ethernet Driver Configuration Description:
Please refer to the user manual to change IP Settings and the username and password on the Converge Pro SR1212.

Notes for the Device: